Bruhat Bangalore Mahanagara Palike
Excecutive Engineer R.R.Nagara Division

Modified Estimate of the work of Developments of Play Ground at Ward no.17 JP Park.

PWD SR-2016-2017					Rate Analysis				
Sl No.	Description of Items	Unit	SR Page No	Item No	Basic Rate in Rs	Lead Cost upto 15km	AW 6%	TP as per 2016-17 KPWD +11.95%	Total Rate in Rs
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5. (P.No. 5/I.No. 2.4 of CSR 2012-13)	Cum	5	2.40	283.00		16.98	35.85	**335.83**
1	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.(P.No-6,I No-2.10)	Cum	6	2.10	127.00		7.62	16.09	**150.71**
2	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring and strutting, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavation earth to the extent required including the cost of labour & HOM of machineries, as per drawing and technical specification. (P.No-7,I.No-2.24)	Cum	7	2.24	68.00		4.08	8.61	**80.69**
3	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1	Cum	134	17.10	68.00	48.00	4.08	8.61	**137.65**
	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications.(which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305 (P.No-147,I No-19.60)	Cum	148	19.60	302.00		18.12	38.25	**358.37**
	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (P.No-149,I No-19.64)	Sqm	149	19.64	5.00		0.30	0.63	**5.93**

Assistant Engineer,
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ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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FORM P W G -45 WORK SLIP

Name of the Project: Development of play ground at ward N0.17, J.P Park

Item No.	Tender Item No.	Executed beyond tender quantity up to 125%			Executed over & above 125% of tender quantity			As per actuals/Anticipated		Excess	Savings	Remarks
		Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Amount	Amount	
1	Dismantling of existing structures like culverts, bridges,retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, iii) Dismantling Stone Masonry. A. Rubble Stone masonry in lime mortar	0.00	201.73	-	0.00		-	-	0.00	0.00	15932.64	
2	Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications.	0.00	33.23	-	0.00		-	-	0.00	0.00	26088.87	
3	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications,	947.00	221.91	210,148.77	13708.36	335.83	4,603,678.54	14,655.36	4813827.31	~~4645763.77~~ 46,45,708.29	0.00	
4	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications,	0.00	231.81	-	0.00		-	-	0.00	0.00	46473.27	
5	Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220kgs, with 40mm and down sizegraded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth , ncluding cost of all materials, labour	0.00	4,537.83	-	0.00		-	-	0.00	0.00	491946.15	
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour,	0.00	3,034.32	-	0.00		-	-	0.00	0.00	378501.08	

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		Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Amount	Amount	
7	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	0.00	4,845.17	-	0.00		-	-	0.00	0.00	100731.08	
8	Providing ruled pointing to coursed stone masonry with cement mortar 1:3,20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	0.00	78.67	-	0.00		-	-	0.00	0.00	5451.83	
9	Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mmand down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with 'super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, String or Lacing Courses,parapets,coping.bed blocks.anchor blocks, plain window cills.fillets etc.,,	0.00	5,756.54	-	0.00		-	-	0.00	0.00	2319482.66	
10	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	0.00	8,046.81	-	0.00		-	-	0.00	0.00	2593808.74	
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons.	0.00	221.91	-	0.00		-	-	0.00	0.00	59316.54	
12	Providing and removing centering, shuttering, strutting, propping etc.,for columns, pillars, post and struts, square / rectangular/polygon in plan including cost of all materials, labour complete as per specifications.	0.00	334.64	-	0.00		-	-	0.00	0.00	404178.19	

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		Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Amount	Amount	
13	Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills andstring courses cost of all materials, labour complete as per specifications.	0.00	268.19	-	0.00		-	-	0.00	0.00	881486.89	
14	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	0.00	198.17	-	0.00		-	-	0.00	0.00	906389.95	
15	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	0.00	80.69	-	0.00		-	-	0.00	0.00	369059.92	
16	Fabricating, providing and erecting in poiston of M.S. Ornam ental security Grill Gate without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for square bars of full height and at 8cms C / C for bottom rods providing ornamental C I Designers at the bottom and C I arrows in the midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drilling holes, the work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes with all lead and lift, loading, transporting and unloading using hoist pulley cranes, scaffolding charges and all other incidental charges required for successful completion fo the work as per specification and drawings	0.00	153.08	-	0.00		-	-	0.00	0.00	1697351.04	
17	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m, including cost of all labour complete as per specifications.	0.00	99.68	-	0.00		-	-	0.00	0.00	97104.27	

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		Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Amount	Amount	
18	Providing and fixing 1 mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, using M.S. flats 30x6 mm for diagonal braces and central cross pieces 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications.	0.00	2,401.82	-	0.00		-	-	0.00	0.00	17725.43	
19	Providing and fixing white vitreous china clay, flat back wash basin size 450x300mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	0.00	2,192.97	-	0.00		-	-	0.00	0.00	4385.94	
20	providing and fixing 3mm. Thick reeded glass with teakwood beading of required size	0.00	291.07	-	0.00		-	-	0.00	0.00	1047.85	
21	Providing and fixing white vitreous china clay, flat unit back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and G.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	0.00	2,738.83	-	0.00		-	-	0.00	0.00	5477.66	
22	Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	0.00	3,811.58	-	0.00		-	-	0.00	0.00	11434.74	

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		Qty	Rate	Amount	Qty	Rate	Amount	Qty	Amount	Amount	Amount	
23	Fabricating, providing and erecting in poiston of Hot dip galvanised M.S.Ornamental security Grill Gate using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal center support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for square bars of full height and at 8cms C / C for bottom rods provide ornamental C I Designers at the bottom and C I arrows in the middle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necessary drilling holes, the work includes providing two coats of enamel painting over one coat of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes etc as per specification and drawings.	0.00	179.19	-	0.00		-	-	0.00	0.00	161271.00	
				210148.77			4603678.54		4813827.31	4645763.77	10594645.74	

46,45,708.29

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ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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